

**Notice of Allowability**

Application No.

09/607,336

Examiner

CHUONG T HO

Applicant(s)

MIYAGAWA ET AL.

Art Unit

2664

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 01/25/05.
2. ☒ The allowed claim(s) is/are 1-10 and 19-38.
3. ☒ The drawings filed on 30 June 2000 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☒ Certified copies of the priority documents have been received in Application No. 11-190953.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

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1. Amendment filed 01/25/05 have been entered and made of record.

***Allowable Subject Matter***

1. Claims 1-10, 19-38 are allowed.
2. The following is an examiner's statement of reasons for allowance: the prior art (5483532, 6516003) of record does not appear to teach or render obvious the claimed limitations in combination with the specific added limitations, as recited from independent claim 1: "when a space area smaller than one packet occurs in an end portion of main data portion, storing a part of the data of a next packet into space area, storing additional data of next packet into additional data portion as additional data of one partial packet, and storing remaining data of the part of the data of next packet into a start portion of the main data portion of a next data block; and when space area does not occur in the end portion of main data portion, storing additional data invalid information showing that the additional data of one partial packet is invalid into a portion other than main data portion in data block".
3. The following is an examiner's statement of reasons for allowance: the prior art (5483532, 6516003) of record does not appear to teach or render obvious the claimed limitations in combination with the specific added limitations, as recited from independent claim 4: "when a space area smaller than one packet and larger than a size of additional data occurs in an end portion of main data portion, storing a part of the data of a next packet into space area, storing the additional data of next packet into additional data portion as additional data of the part of the data of the next packet together with the additional data of each complete packets, and storing remaining data

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of the part of the data of next packet into a start portion of the main data portion of a next data block; and when a space area smaller than the size of additional data occurs in the end portion of main data portion, storing information showing that no partial packet exists in the end portion of main data portion into a portion other than main data portion and additional data portion in data block”.

4. The following is an examiner's statement of reasons for allowance: the prior art (5483532, 6516003) of record does not appear to teach or render obvious the claimed limitations in combination with the specific added limitations, as recited from independent claims 6, 9: “discriminating whether a space area smaller than one packet has occurred in an end portion of main data portion or not; and block processing means for when the space area smaller than one packet occurs in the end portion of main data portion, storing a part of the data of a next packet into space area, storing additional data of next packet into additional data portion as additional data of one partial packet, and storing remaining data of the part of the data of next packet into a start portion of the main data portion of a next data block, wherein when space are does not occur in the end portion of main data portion, block processing means stores additional data invalid information showing that the additional data of one partial packet is invalid into a portion other than main data portion in data block”.

5. The following is an examiner's statement of reasons for allowance: the prior art (5483532, 6516003) of record does not appear to teach or render obvious the claimed limitations in combination with the specific added limitations, as recited from independent claims 19, 27, 31, 35: “when a space are smaller than one packet occurs in

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an end portion of main data portion, storing a part of the data of a next packet into space area, storing additional data of next packet into additional data portion as additional data of one partial packet, and storing remaining data of the part of the data of next packet into a start portion of the main data portion of a next data block; and storing additional data invalid information showing whether the additional data is invalid or not into a portion other main data portion in data block”.

6. The following is an examiner’s statement of reasons for allowance: the prior art (5483532, 6516003) of record does not appear to teach or render obvious the claimed limitations in combination with the specific added limitations, as recited from independent claim 23: “discriminating whether a space area smaller than one packet has occurred in an end portion of main data portion or not; and block processing means for when the space area smaller than one packet occurs in the end portion of main data portion, storing a part of the data of a next packet into space area, storing additional data of next packet into additional data portion as additional data of one partial packet, and storing remaining data of the part of the data of next packet into a start portion of the main data portion of a next data block, wherein block processing device stores an additional data invalid information showing whether the additional data is invalid or not into a portion other than main data portion in data block”.


Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHUONG T HO whose telephone number is (571) 272-3133. The examiner can normally be reached on 8:00 am to 4:00 pm.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

03/28/05



WELLINGTON CHIN  
SUPERVISORY PATENT EXAMINER